

Habitat Assessment

Purpose

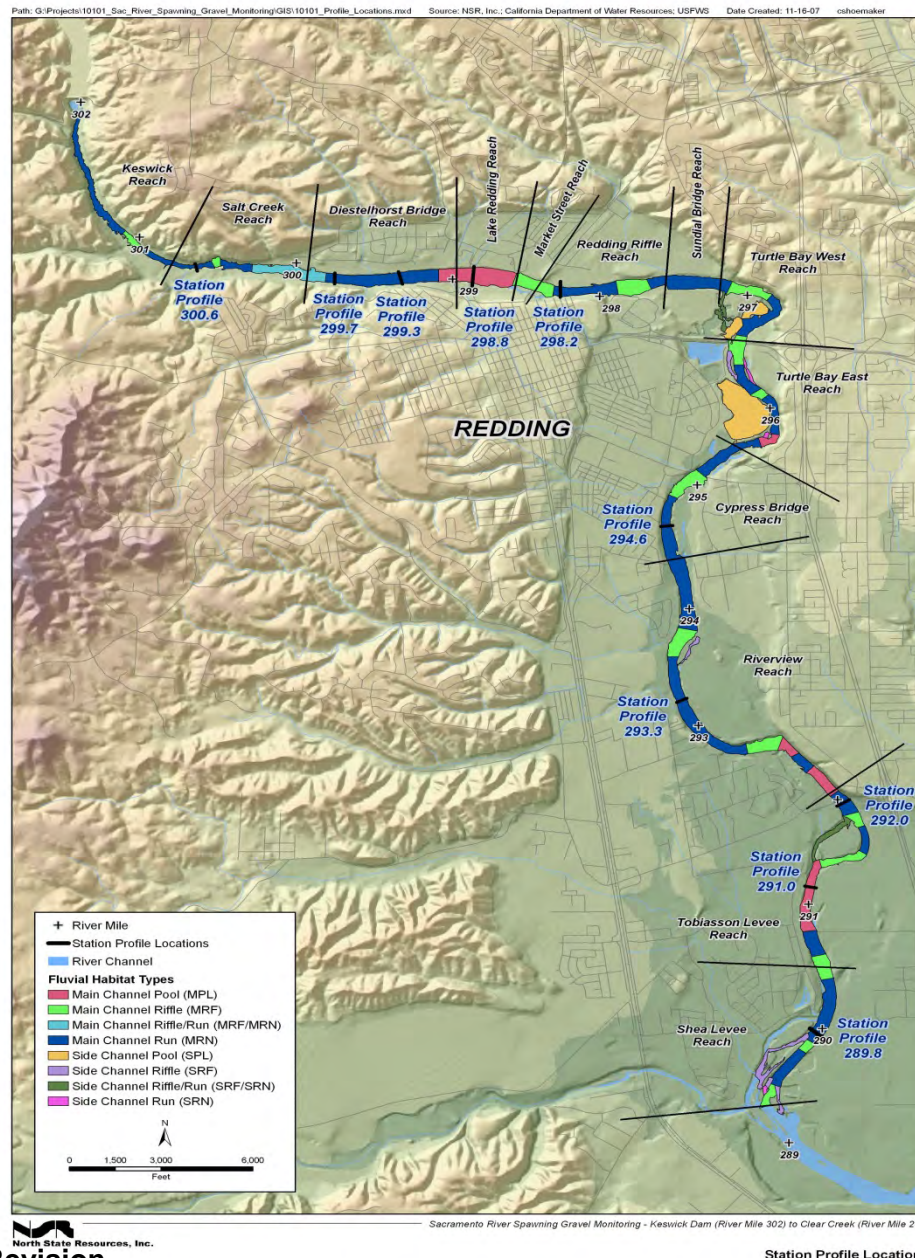
- Map habitat that would support spawning and rearing salmon
- Identify any migratory barriers or passage impediments
- Estimate number of salmon that could reasonably be expected to spawn in the existing habitat
- Provide information for selecting target river or reach(es) for pilot reintroduction studies

Habitat Assessment

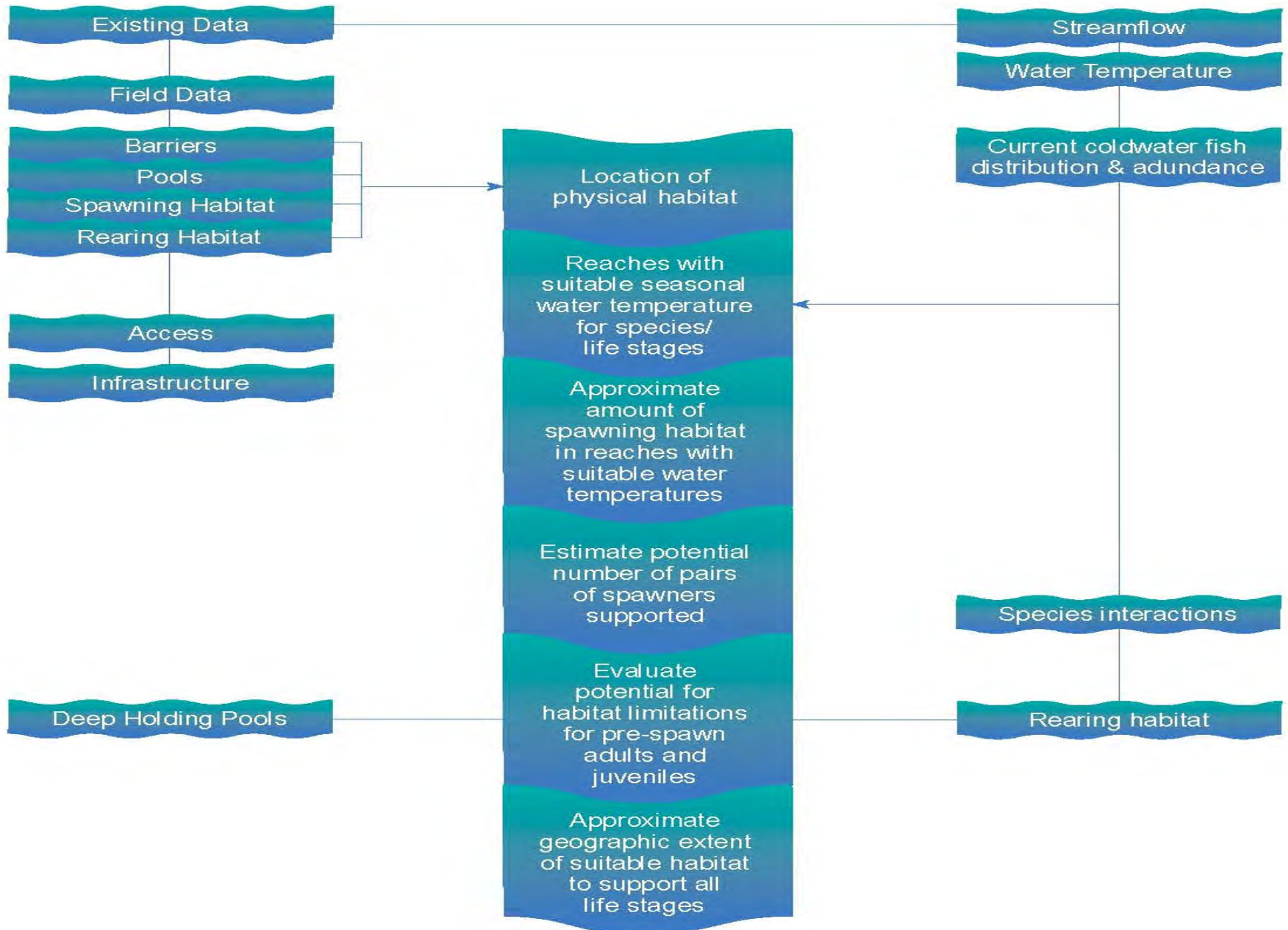
Approach

- Don't reinvent the wheel
 - ❑ obtain and use existing habitat data and other relevant information effectively and efficiently
- Augment existing information
 - ❑ aerial photogrammetry and videography
 - ❑ limited on-ground surveys at representative sites
- Compile graphical and statistical summaries of habitat distributions and conditions
- Prepare maps depicting the distribution of existing habitat along each river

Example of a Habitat Distribution Map



Determining Extent of Suitable Habitat and Estimating Number of Spawners



Examples of Existing Data Sources



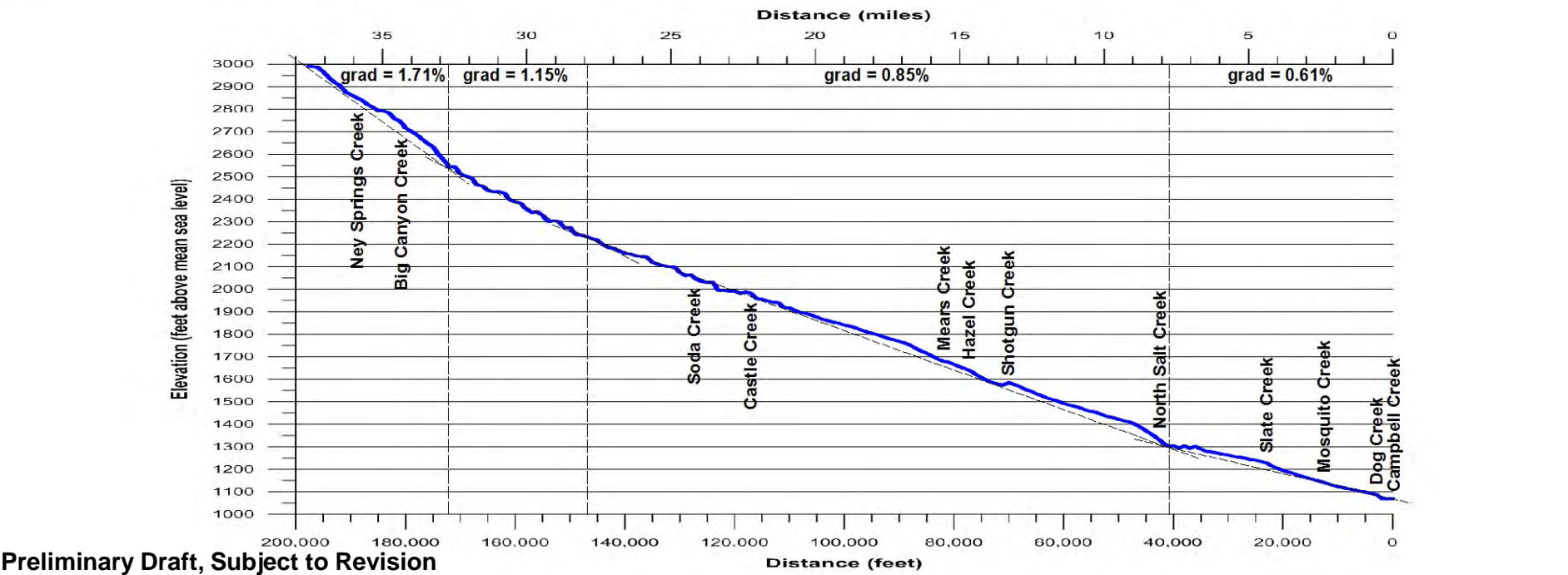
DFW – Cantara Library



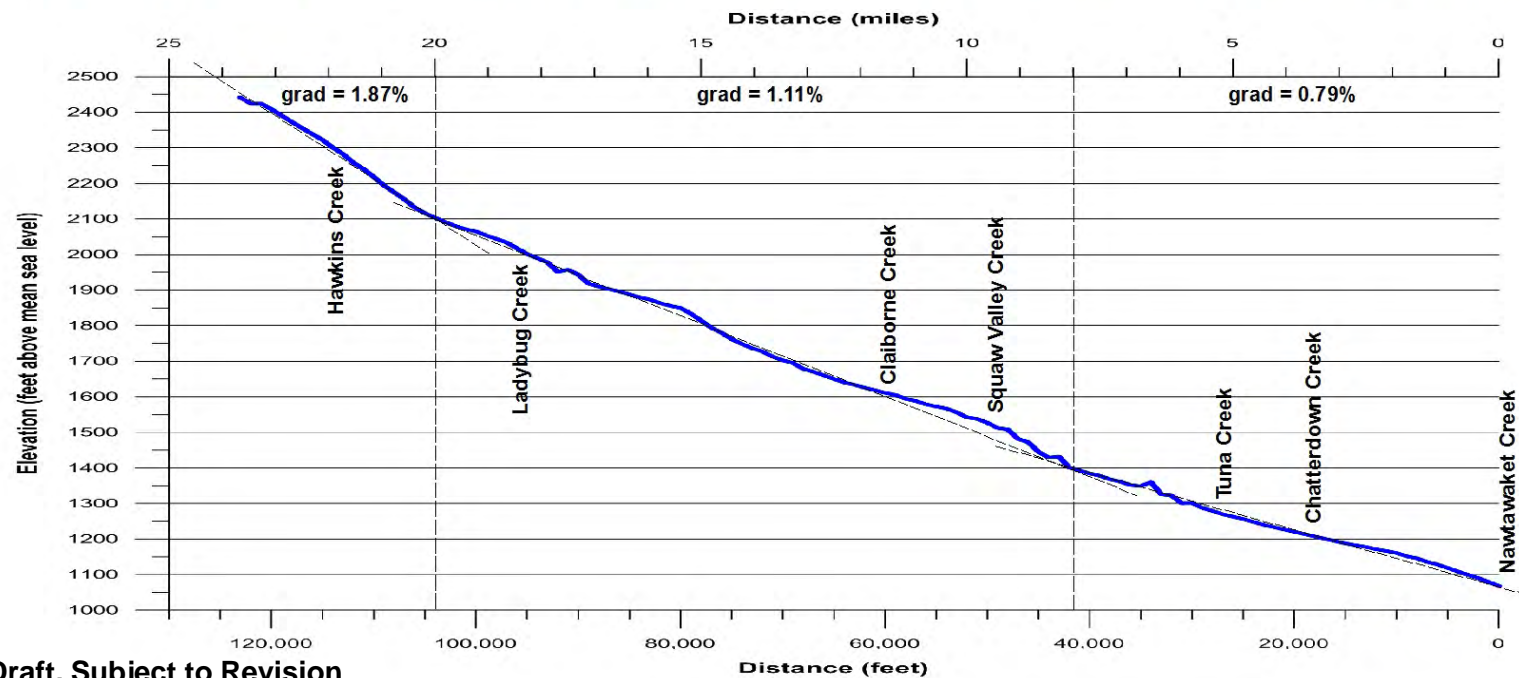
McCloud-Pit Project FERC Record



DFW - Fishery Management



Preliminary Draft, Subject to Revision



Habitat Assessment

- Share your knowledge of local river habitat conditions
- Ideas on locations of deep pools where salmon might hold prior to spawning
- Ideas on locations of cold spring inflows where adults and juveniles might concentrate during the summer
- Ideas and concerns on potential hazards for the fish
- Other thoughts, questions, or concerns on pilot-level study of reintroducing salmon above Shasta Dam

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